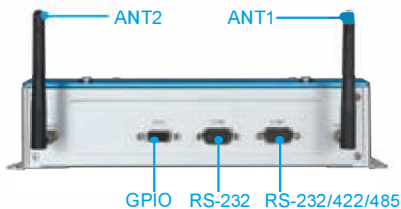
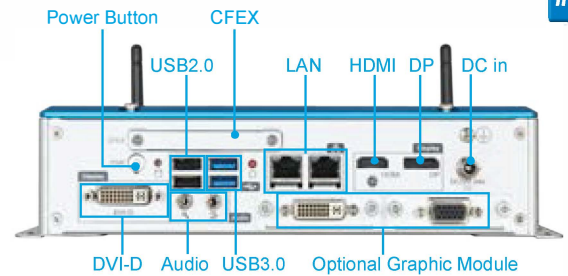


WEBS-5481

Embedded rugged fan-less system with Intel® Celeron and Core™ i3/i5/i7 based specific form factor board



The WEBS-5481 builds on Intel® Haswell ULT Low Power SoC and takes advantages of Intel® Core™ mobile processor technologies that can support dual channel DDR3L memory. Support two Gigabit Ethernet ports and two Mini-PCle sockets, even up to 5 displays by option. The WEBS-5481 is an ideal platform with HD graphic output for POS, kiosk, digital signage and transportation applications.

FEATURES

- 4th generation Intel® Celeron & Core™ i3/i5/i7 ULT SoC
- Intel® Haswell ULT SoC Low Power & High Performance Embedded Fan-less System.
- Dual Channel SO-DIMM socket up to 16GB DDR3L Memory
- 1x 2.5" SATA HDD/SSD, 1x CFEX, 1x mSATA
- 2x Mini-PCle socket can be used in a diversity of applications
- 1x RS-232/422/485, 1x RS-232, 2x USB3.0, 2x USB2.0, 2x Gigabit Ethernet Port
- 5 Display by VGA/HDMI/DP + Optional Graphic Module
- 2x Antenna hole + 1x onboard SIM card holder for WiFi or 3G/GPS module to use
- OP Vibration: 5Grms/5~500Hz
- OP Shock: 50G, 11msec
- IP40 Rating

ORDERING GUIDE

AS5-3366	(R).ATO.WEBS-5481.Haswell ULT. Fanless System
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System

M/B	PEB-5731-W Series
System Chipset	Intel® Haswell ULT SoC
CPU	- Intel® Core™ i7-4650U, 1.7GHz, 4M L2 Cache, up to 3.3 GHz, 15W TDP (2C/4T) - Intel® Core™ i5-4300U, 1.9GHz, 3M L2 Cache, up to 2.9 GHz, 15W TDP (2C/4T) - Intel® Core™ i3-4010U, 1.7GHz, 3M L2 Cache, 15W TDP (2C/4T) - Intel® Celeron® 2980U, 1.6GHz, 2M L2 Cache, 15W TDP (2C/2T)
BIOS	AMI uEFI BIOS (SPI ROM)
System Memory	Dual 204-pin SO-DIMM sockets supports DDR3L 1333/1600 up to 16 GB
Storage	1x 2.5" SATA HDD/SSD, 1x CFEX, 1x mSATA
Watchdog Timer	Programmable via S/W from 1 sec. to 255 sec.
H/W Status Monitor	- Temperature (CPU & System) - Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)
Expansion	- 1x Full-size Mini-PCle socket (USB+PCle) + SIM Card holder - 1x Half-size Mini-PCle socket (mSATA+PCle)

External I/O

Serial Port	2x COM port (1x RS-232/422/485 by BIOS, 1x RS-232)
Display	1x DVI-D, 1x HDMI, 1x DP 2x Optional Graphic Module
USB	2x USB3.0, 2x USB2.0
Audio	Line-out/Mic-in (ALC892)
Ethernet	2x Gigabit Ethernet (Intel® WGI218LM + WGI210AT)
GPIO	1x Programmable 8-bit Digital I/O
Other	2x Antenna hole for WiFi or 3G/GPS module

Power Supply Unit

Power Input	DC 12V~24V
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Environmental

Operation Temperature	-20°C to 55°C
Storage Temperature	-40°C to 80°C
Relative Humidity	95%@40°C, non-condensing
Operation Vibration	5Grms/5-500Hz, IEC 60068-2-64
Operation Shock	50G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	235(W) x 160(D) x 60(H) mm; 9.2"(W) x 6.2"(D) x 2.3"(H)
Weight	2 kg
Mounting	Wall mounting

